

INTERNATIONAL SEARCH REPORT

 International application No.
 PCT/KR2004/001657

A. CLASSIFICATION OF SUBJECT MATTER

IPC7 A41H 37/10

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A41H

 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
 KR : IPC as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	KR 2003-0010877 A (Suh, Kweon-Yong) 06. Feb. 2003 See the whole document. (Family None)	1 - 5
A	KR 1996-0000106 A (Choi, Hak-Ku) 25 Jan. 1996 See the whole document. (Family None)	6 - 15
A	US 5,082,151 A (Andre J. Schaefer) 21 Jan. 1992 See the whole document.	1 - 15
A	WO 98/51174 A (Pettersson, Elisabeth) 19 Nov. 1998 See the whole document.	1 - 15

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

17 NOVEMBER 2004 (17.11.2004)

Date of mailing of the international search report

17 NOVEMBER 2004 (17.11.2004)

Name and mailing address of the ISA/KR


 Korean Intellectual Property Office
 920 Dunsan-dong, Seo-gu, Daejeon 302-701,
 Republic of Korea

Facsimile No. 82-42-472-7140

Authorized officer

PARK, Sung Ho

Telephone No. 82-42-481-5619



INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.
PCT/KR2004/001657

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5,082,151 A	21 Jan. 1992	GE 392708 C1 GB 2236046 A1 JP 3170190 A2	06 Mar. 1991 27 Mar. 1991 06 Mar. 1991
WO 98/51174 A	19 Nov. 1998	EP 980216 A1 US 6375772 BA JP 2001-525019 T2	23 Feb. 2000 23 Apr. 2002 13 May 1998